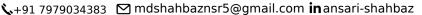


# MD. SHAHBAZ ANSARI

### Software Development Engineer





EDUCATION			
Year	Degree/Exam	Institute	CGPA/Marks
2022	M.TECH Dual Degree (Mining)	IIT Kharagpur	7.74/10
2017	SSCE	SAM Sec School, Biharsharif	78.8%
2015	SSE	TATA DAV School, Jamadoba, Dhanbad	10/10

#### **WORK EXPERIENCE**

# SOFTWARE DEVELOPER (Backend) | INNOVACCER ANALYTICS PVT. LTD.

JULY'22 - APRIL'23

- · Worked on developing healthcare outreach solutions using Django and PostgreSQL
- Integrated with another project to fetch patient data for our outreach service for the marketing-campaign
- Worked on different micro-services of the project to develop REST APIs at the production level using Django, django rest framework, and understand code with different workflows of the product
- Wrote health checks & unit test cases and increased the test coverage of 6.6k lines of code from 64 to 80%
- Made Microsoft Power Automate (MS-flow) updates that are used to create and automate workflows and tasks across the product's multiple micro-services

#### **INTERNSHIPS**

## DATA SCIENCE INTERN | INDIAN SCHOOL OF BUSINESS, HYDERABAD

MAY'21 - JULY'2:

Objective: To estimate the scale and extent of crop diversification in Indian agriculture using a dashboard

- Analyzed data from Agriculture Census of India (2010-11 & 2015-16) at tehsil level with over 40 parameters
- Preprocessed the data by merging it with the shapefile based on unique LGD codes and mapping tehsils with null LGD codes by a fuzzy match of above 95% with the block & village names from the LGD codebook file
- · Visualized data with the help of choropleth maps using Altair library to gain insights
- Created a dashboard using Streamlit framework to compare year-wise data for crop & non-crop types
- Added dropdowns for selection of different parameters, social groups, land holding size classes & others

#### **PROJECTS**

### TEXT CLASSIFICATION OF BLOGS INTO POPULAR AND NON-POPULAR | SELF-PROJECT

**DEC'19 - FEB'20** 

- · Applied text mining methods on New York times blog articles by text clearing tools using NLTK
- Used feature Engineering techniques like **TF-IDF & n-grams** to score the importance of frequent terms
- Devised decision tree algorithm to predict the popularity of NYT blog articles with an accuracy of 86.4%

### E-COMMERCE CUSTOMER REVIEWS PREDICTION | SELF-PROJECT

MAY'19 - JULY'19

- Predicted customer reviews of various types of products on Amazon and Flipkart sites using linear graphs
- Scraped Amazon & Flipkart sites to get the customer IDs, their reviews, and ratings using BeautifulSoup package
- Tokenized the text and applied sentiment analysis to know whether review is positive or negative using NLTK
- Applied **Doc2Vec** model on reviews & used random forest classifier for prediction which gave 89% accuracy

# SKILLS EXTRACTION FROM UNSTRUCTURED TEXT | B.TECH THESIS PROJECT | IIT KHARAGPUR

SEP'20 - NOV'20

- Extracted occupation description text from National Classification of Occupation 2015 using PyPDF2 library
- · Applied skill extractor objects for skills extraction and trained an embedding model using Skills-ML library

#### **SKILLS AND EXPERTISE**

Backend: Microservices, RESTful APIs, Django Rest Framework, TDD, PostgreSQL, GitLab, S3

**Programming:** C/C++, Python, Java, HTML, CSS, Javascript

Softwares: Linux, VS Code, Dbeaver, Postman, MS-Office, MS Power Automate

#### **AWARDS AND ACHIEVEMENTS**

- Participated & qualified Indian National Physics Olympiad (INPhO) 2016 being placed in the statewide top 1%
- Participated and qualified Indian National Astronomy Olympiad (INAO) in 2016 being placed in top 1%

### **EXTRA CURRICULAR ACTIVITIES**

- Member of National Sports Organization Health & Fitness to spread awareness towards a healthy lifestyle.
- Member of RP Hall team to successfully conduct illumination to make artistic figures winning Gold in 2017
- Part of the Case Study team of RP Hall of Residence for Inter Hall General Championships 2019.